

The present invention relates to a mold for the manufacture of an electrophoresis cassette, the mold comprising a body having a cassette molding part formed on one face thereof, the cassette molding part being surrounded by a peripheral sheet engaging portion extending in a plane located at a different elevation than the cassette molding part to provide for substantially uniform stretching of the sheet on the cassette molding part.

The present invention also relates to a molding method for the manufacture of an electrophoresis cassette, a method for filling an electrophoresis medium into an electrophoresis cassette and to a comb for an electrophoresis cassette adapted to be removably inserted into the cassette comprising at least one tooth having protrusion provided thereto for preventing the electrophoresis medium gel attachment to the comb.